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(71) Applicant: CLINICAL MICRO SENSORS, INC.  
[US/US]; 757 S. Raymond Avenue, Pasadena, CA 91105  
(US).

(74) Agents: TRECARTIN, Richard, F. et al.; Flehr Hobbach  
Test Albritton & Herbert LLP, 4 Embarcadero Center, Suite  
3400, San Francisco, CA 94111-4187 (US).

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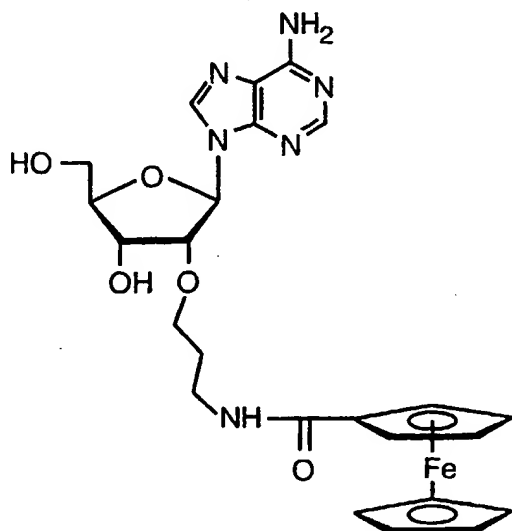
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(54) Title: AMPLIFICATION OF NUCLEIC ACIDS WITH ELECTRONIC DETECTION



(57) Abstract: The invention relates to compositions and methods useful in the detection of nucleic acids using a variety of amplification techniques, including both signal amplification and target amplification. Detection proceeds through the use of an electron transfer moiety (ETM) that is associated with the nucleic acid, either directly or indirectly, to allow electronic detection of the ETM using an electrode.

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# INTERNATIONAL SEARCH REPORT

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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 C12Q1/68 G01N27/30		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12Q G01N		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, MEDLINE, EMBASE, CHEM ABS Data, BIOSIS		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 98 20162 A (GOZIN MICHAEL ;YU CHANGJUN (US); KAYYEM JON F (US); CLINICAL MICRO) 14 May 1998 (1998-05-14) page 1-2; figures 29,32 page 9-10 page 27-29 page 35-37 page 41-43 page 51, line 15 -page 52 page 69, line 29 -page 70 ---	1-16
Y	US 5 854 033 A (LIZARDI PAUL M) 29 December 1998 (1998-12-29) column 2-14; figures 1,2,6,7,10 column 21 column 33 --- -/--	1-12
<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.         </div> <div> <input checked="" type="checkbox"/> Patent family members are listed in annex.         </div> </div>		
* Special categories of cited documents : <div style="display: flex;"> <div style="flex: 1;">           *A* document defining the general state of the art which is not considered to be of particular relevance            *E* earlier document but published on or after the international filing date            *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)            *O* document referring to an oral disclosure, use, exhibition or other means            *P* document published prior to the international filing date but later than the priority date claimed         </div> <div style="flex: 1;">           *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention            *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone            *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.            *Z* document member of the same patent family         </div> </div>		
Date of the actual completion of the international search <div style="text-align: center; font-weight: bold;">13 February 2001</div>		Date of mailing of the international search report <div style="text-align: center; font-weight: bold;">20/02/2001</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer <div style="text-align: center; font-weight: bold;">Reuter, U</div>

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A	BROWN G ET AL: "Metallorganic labels for DNA sequencing and mapping" NEW JOURNAL OF CHEMISTRY,FR,CNRS-GAUTHIER-VILLARS, MONTRouGE, vol. 18, no. 3, March 1994 (1994-03), pages 317-326, XP002106965 ISSN: 1144-0546 the whole document ---	1-16
A	WO 86 05815 A (GENETICS INT INC) 9 October 1986 (1986-10-09) page 12; claims; example 2 ---	1-16
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